

# RECORD YOUR MODEL NUMBER (Now, while you can see it)

The model and serial number of your new TV are located on the back of the TV cabinet. For your future convenience, we suggest that you record these numbers here:

MODEL NO		_
SERIAL NO	•	







#### WARNING:

TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

#### WARNING:

TO PREVENT FIRE OR SHOCK HAZARDS, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

#### POWER CORD POLARIZATION:

CAUTION: To Prevent Electric Shock, Match wide blade of plug to wide slot, fully insert.

ATTENTION: Pour éviter les chocs électriques, introduire la lame la plus large de la fiche dans la borne correspondante de la prise et pousser jusqu'au fond.

#### NOTE TO CABLE/TV INSTALLER:

This reminder is provided to call the cable TV system installer's attention to Article 820-40 of the National Electric Code (U.S.A.). The code provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of the cable entry as practical.

#### **REGULATORY INFORMATION:**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

#### **CAUTION:**

Do not attempt to modify this product in any way without written authorization from Zenith Electronics Corporation. Unauthorized modification could void the user's authority to operate this product.

This page will direct you to

which page to go to for

proper hook-

up of your Entertainment Machine.

# Hook-Up Directory IMPORTANT!! Use this page to decide where you need to begin your setup. First, find the line below that best describes what you want to do, then go to that page number. Antenna only Cable only If you have cable and no other equipment, go to .....page 5 Cable box Antenna with VCR If you are using an antenna and have a VCR, go to ......page 6 Cable box 음음

Connect an antenna to your Entertainment

## Hook Up Your Antenna to the TV

Machine.

Hook up your

Remove the back of the remote and put in two AAA batteries.

Entertainment Machine.





Plug in your TV. Do not plug it into a switched outlet.





Go to page 8 to Auto Program your Entertainment Machine.



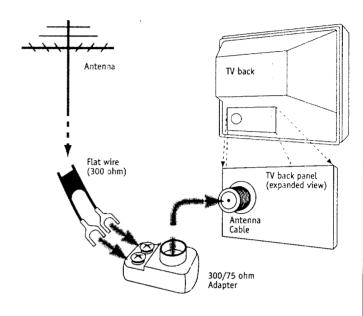
If you have a 75 ohm RF cable, then you don't need any adapters!

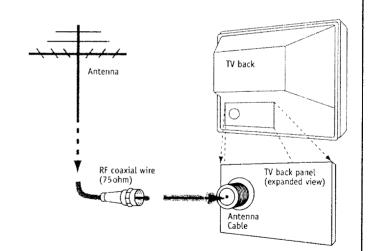


Remember, when screwing RF cables onto jacks, clockwise tightens, and counterclockwise loosens.



A 300 to 75 ohm adapter is not included with your Zenith Entertainment Machine.





#### Minkelossane

75 OHM RF CABLE

The wire that comes from an off-air antenna or cable service provider. Each end looks like a hex shaped nut with a wire sticking through the middle, and it screws onto the threaded jack on the back of your TV.

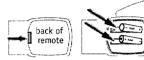
300 TO 75 OHM ADAPTER

A small device that connects a two-wire 300 ohm antenna to a 75 ohm RF jack. They are usually about an inch long with two screws on one end and a round opening with a wire sticking out on the other end.

# Hook Up Your Cable (CATV) to the TV

Hook up your Entertainment Machine.

Remove the back of the remote and put in two AAA batteries.



Plug in your TV. Do not plug it into a switched outlet. Your Entertainment Machine is designed to operate on household current, 120-volt 60 Hertz AC do not attempt to operate it on DC Current.

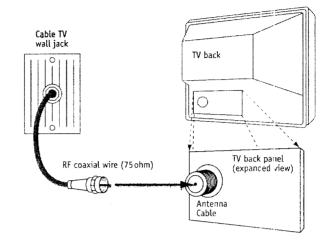


Go to page 8 to Auto Program your Entertainment Machine.

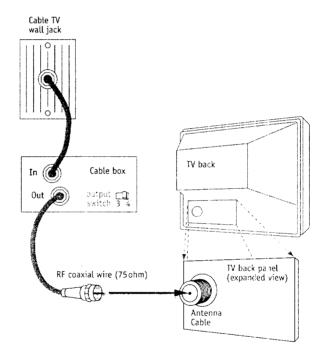
If you're using a cable box, leave your TV on channel 3 or 4 and use your cable box to change channels.

Remember, when screwing RF cables onto jacks, clockwise tightens, and counterclockwise loosens.

If you're using a cable box, Auto-Program might only find the channel your cable service is on (usually channel 3 or 4). Don't worry, that's all you need!



Connect cable to your Entertainment Machine.



#### Mini glossary

CABLE SERVICE The wire that supplies all your cable TV (CATV) stations.

Connect your off-air antenna and VCR to your Entertainment Machine.

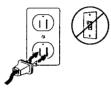
# Hook Up Antenna and VCR to the TV

Hook up your Entertainment Machine.

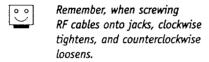
Remove the back of the remote and put in two AAA batteries.



Plug in your TV. Do not plug it into a switched outlet.



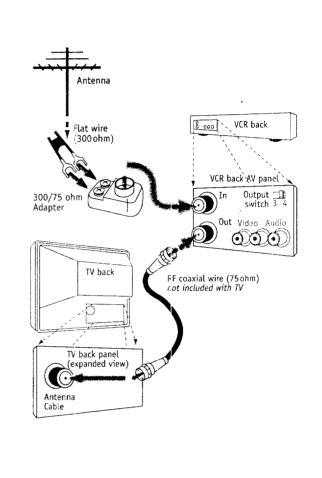
Go to page 8 to Auto Program your Entertainment Machine.

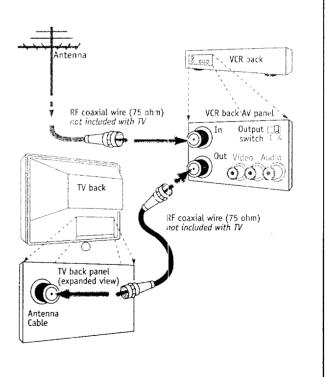


No A/V cables are included with your Zenith Entertainment Machine.

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Without A/V cables, most VCRs will not play videocassettes in stereo sound.





# Hook Up Your Cable (CATV) and VCR

Hook up your Entertainment Machine.

Remove the back of the remote and put in two AAA batteries.





Plug in your TV. Do not plug it into a switched outlet.





Go to page 8 to Auto Program your Entertainment Machine.



4

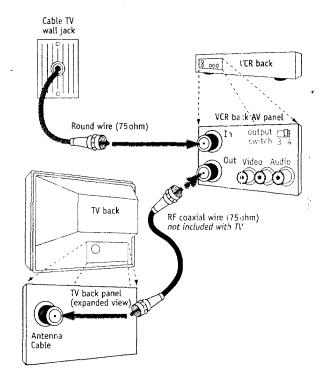
Leave your VCR and your television tuned to channel three and use the cable box to change channels.



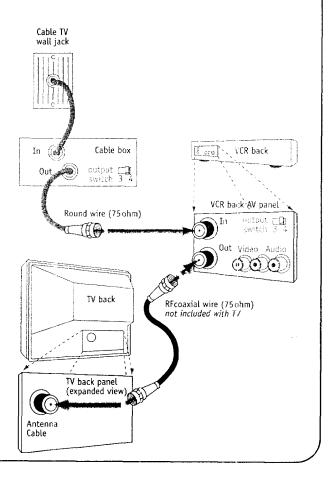
Remember, when screwing in RF cables onto jacks, clockwise tightens, and counterclockwise loosens.

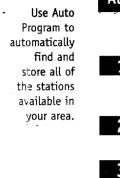


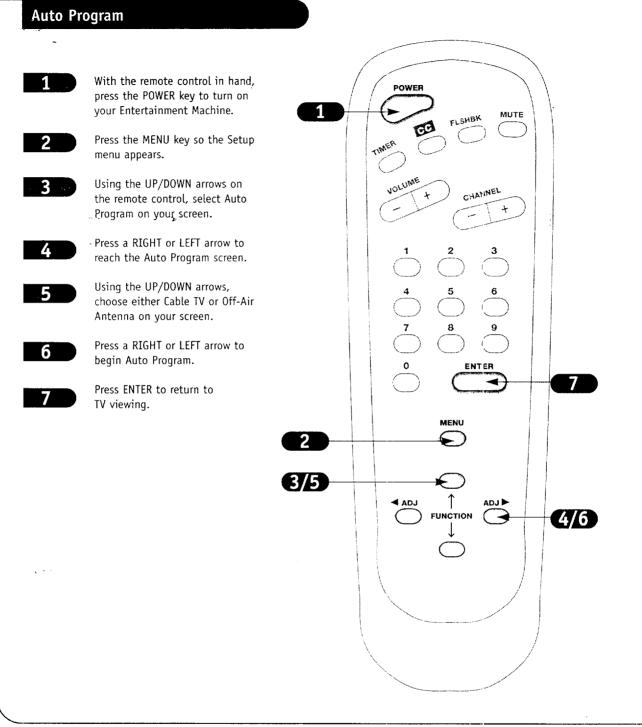
No A/V cables are included with your Zenith Entertainment Machine. Without A/V cables, most VCRs will not play videocassettes in stereo sound.



Connect your VCR and Cable to your Entertainment Machine.

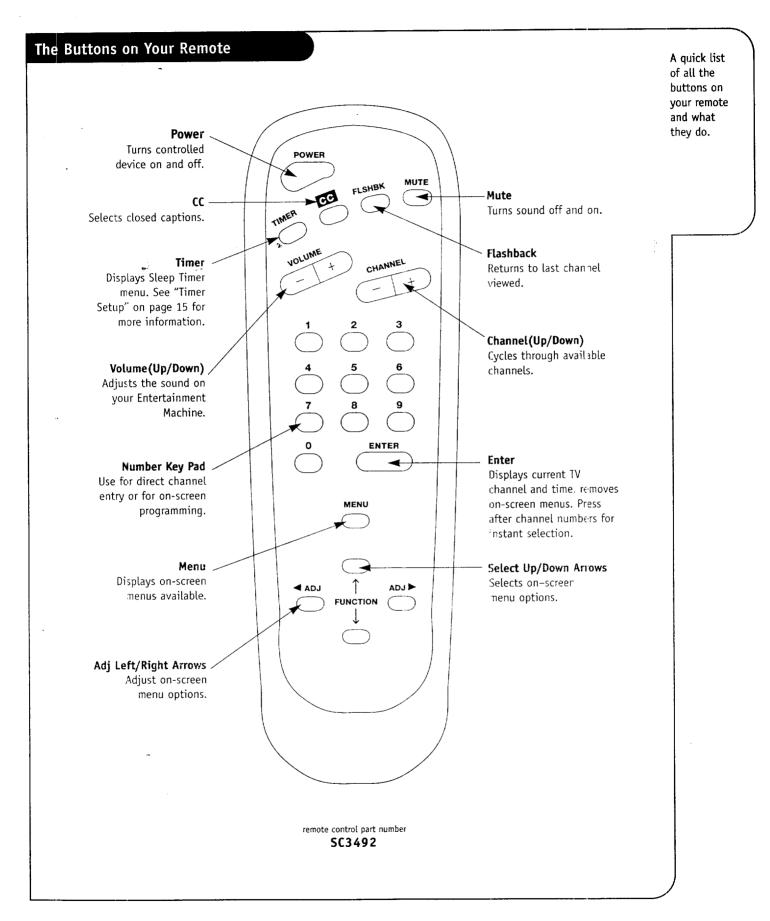






#### Mini glossary

AUTO PROGRAM Auto Program is how your Entertainment Machine finds all the channels available in your area and stores them into memory.



How to use your sixbutton panel to operate the menus.

# Front Panel Diagram

When using the on-screen menus, the buttons on the front panel correspond to the remote control buttons as follows:

VOLUME = Adjust Left/Right CHANNEL = Select Up/Down



To access the Setup menus, press the MENU button once; to get the Video menus, press the MENU button twice.



Choose the function you wish to change using the CHANNEL UP/DOWN buttons. The Channel buttons act as a "select" (Up/Down) function.

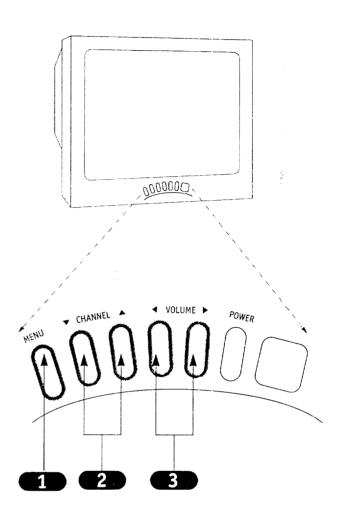
The VOLUME buttons act as an "adjustment" (Left/Right) function. Use the VOLUME buttons to make changes or adjustments.



Menus disappear after five seconds. To get them back, push the MENU button again.



You'll want to get a new remote; call 1-800-255-6790 to purchase a replacement.



Channel or Video

Time

Audio Mode

(Indicates Source)

CH 12 ◀

10:55

STEREO -

# Basic Television Operation

#### Introducing you to the basics of your Entertainment Machine.

#### Source

On some models, the A/V input is designated as a channel that is one below the lowest/one above the highest.

You'll have to use the Channel Up/Down buttons to access it. The Time/Channel display will read "Video" in place of a channel number.

Cable/Antenna Input: This setting allows you to change cable or antenna channels and to view videocassettes on channel 3 (or 4) in mono sound.

Video Input: This setting allows stereo playback of videocassettes. The television cannot change channels in the Video mode, but the VCR can.



To view the current input source, press ENTER on your remote. The Time/Channel display should appear in the upper right hand corner of the screen. If the display reads Video,' then the source is an A/V input. If the display reads a channel number, then the source is your Cable or Antenna.

#### **Channel Changing**

CHANNEL UP/DOWN arrows: Use these arrows to change the channels. Autoprogram will have found all channels available to you.

NUMBER Key Pad: To skip to any channel, enter the number of the channel using the NUMBER key pad, then press ENTER.

FLASHBACK: To instantly return to the last channel viewed, press FLASHBACK.

#### Audio

Volume Right/Left: To adjust the volume level, use the volume Right/Left arrows. To silence your TV instantly, press MUTE. To get the sound back, press MUTE again.



While some mono models (A19A02D and A25A02D) do not have A/V inputs, you can still use or install a VCR. Just turn to page 6 to learn how to hook up your antenna and VCR.



criptions the menu	Setup Menu			
ns found he Setup menu.	Function	What it does	Go to page	Setup Menu
	AutoProgram	Automatically finds and stores active channels to flip through using Channel Up/Down.	8	AutoProgram Ch. Add/Del
	Ch. Add/Del	Manually pick and choose which active channels will appear when flipping through using Channel Up/Down.	13	Clock Set Timer Setup Captions/Text
	Clock Set	Sets the current time on your Entertainment Machine.	14	Language
	Timer Setup	Opens menu for the following functions:  • Turns the Sleep Timer on or off.  • Selects an automatic On Time for your Entertainment Machine.  • Selects an automatic Off Time for shut-down.  • On/Off timer controls automatic power on and power off.  Must be set to On for above functions to work.	15	This is an example of what on-screen menus look like.
	Captions/Text	Displays closed captions or text when available. Options are Off, Caption 1, Caption 2, Caption 3, Caption 4, Text 1, Text 2, Text 3, and Text 4.	16	
	· · Language	Selects language for on-screen menus. Your options are English, Spanish, or French.	17	

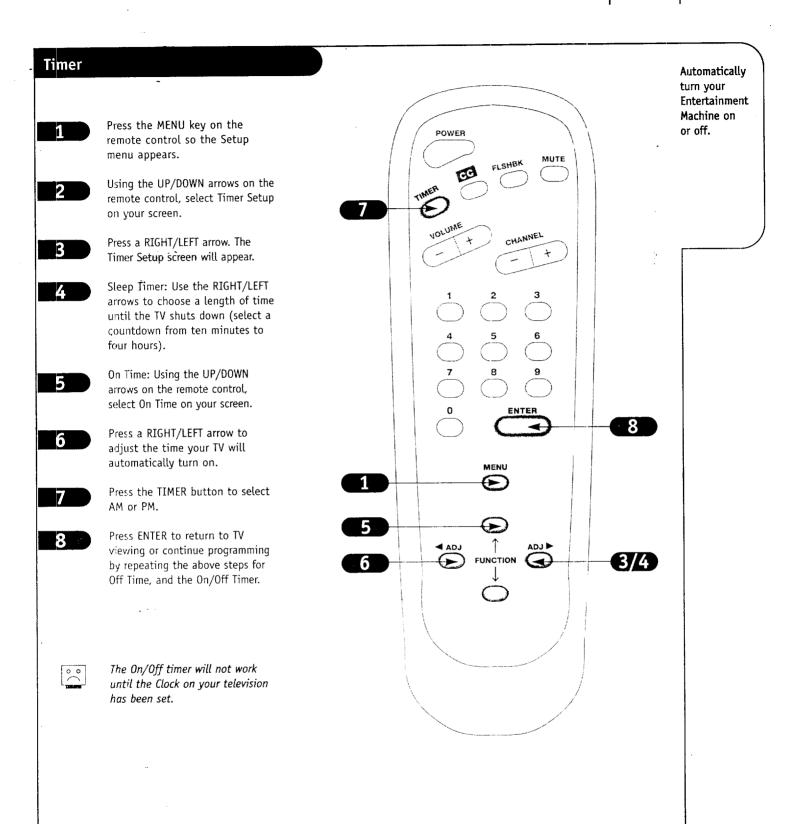
# Setting Ch. Add/Del Customize your channel selection. Press the MENU key on the remote POWER so the Setup menu appears. MUTE FLSHBK Select the Ch. Add/Delete menu using the UP/DOWN arrows. Using either the NUMBER key pad or the CHANNEL UP/DOWN arrows on the remote, select a channel. > (If adding a deleted channel, you will need to use the NUMBER key pad.) Using the RIGHT/LEFT arrows, pick whether that channel is Added or Deleted. To continue, select another channel and repeat step 4. If you are finished, press ENTER to return to TV viewing. You can add or delete a channel without the remote control. Please refer to page 10 on working the menus with the buttons on the front of your Entertainment Machine. If you delete a channel, it isn't gone for good. Just select it using the NUMBER key pad on the

#### Mini glossary

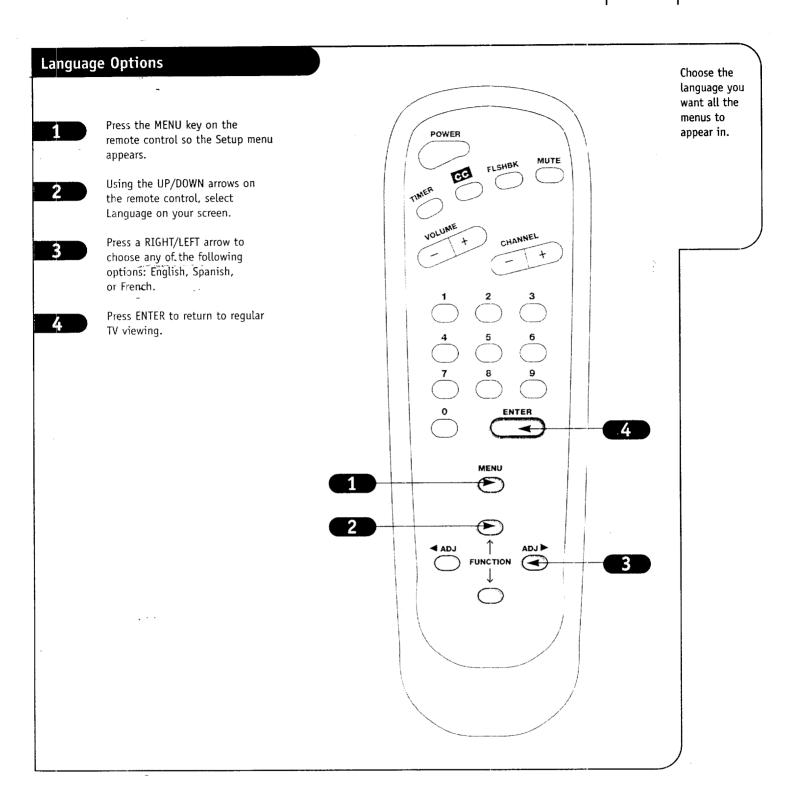
remote, or add it later.

ADD This function lets you add new channels to the list that you'll scroll through when using your remote.

DELETE This function lets you remove channels that you don't watch from the list you'll scroll through.



**Captions and Text** Turn on closed captioning or text that appears at the Press the MENU key on the POWER bottom of remote control so the Setup your screen. menu appears. MUTE FLSHBK 69 Using the UP/DOWN arrows on the remote control, select Captions/Text on your screen. (The third selection from the bottom.) CHANNEL - Press a RIGHT/LEET arrow to choose any of the following options: Off, Caption 1, Caption 2, Caption 3, Caption 4, Text 1, Text 2, Text 3 or Text 4. Press ENTER to return to 4 TV viewing. Captions come in handy when the television is on mute. Standard Closed Captioning is MENU available using the Caption 1 option. Not all programming has closed captioning or text available. † FUNCTION  $\bigcirc$ 



Customize the way your picture looks using the Video menu.

PAGE 18

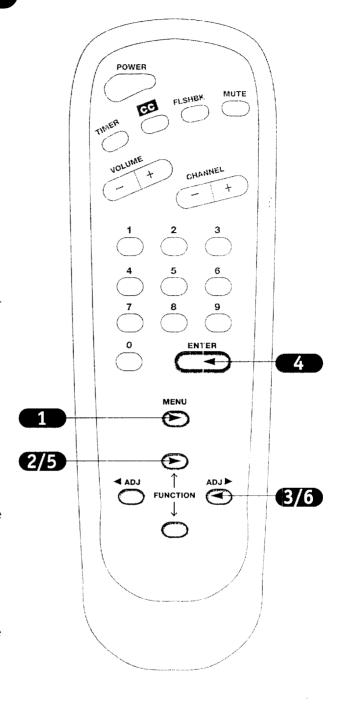
#### Video Menu

Press the MENU key twice and the Video menu will appear. Your options are:

- Contrast: Adjusts the level of difference between white and black in the TV picture. The more contrast, the brighter the picture appears.
- Brightness: Increases or decreases amount of white in the TV picture.
- Color: Adjusts levels of all colors in the TV picture.
- Tint: Balance between amount of red and green in the TV picture.
- Sharpness: Raise or lower the definition of the TV picture. The lower the level, the softer the images will appear.
- Picture Preference: Choose either Custom or Preset. Custom allows you to set the picture the way you want. Preset moves all the above options back to their original, factory-set levels.
- Using the UP/DOWN arrows on the remote control, select Contrast on your screen.
- Using the RIGHT/LEFT arrows, adjust the contrast level to your preference.
- Press ENTER, QUIT or MENU one more time to return to TV viewing, or repeat from step four to set the other menu options.
- Using the Up/Down arrow, select Picture Pref. on your screen.
- Using the RIGHT/LEFT arrows, choose either the original settings with Preset, or use your own settings with Custom.

) 0

Someone left the picture looking terrible? Just choose the Preset option in Picture Preference to quickly reset the levels.



### Maintenance

Early malfunctions can be prevented. Careful and regular cleaning can extend the amount of time you will have with your new Entertainment Machine. Be sure to turn the power off and pull out the plug before you begin any cleaning. Caring for your Entertainment Machine.

#### Screen Cleaning

- 1. Here's a great way to keep the dust off your screen for a while. Wet a soft cloth in a mixture of lukewarm water and a little fabric softener or dish washing detergent. Wring the cloth until it's almost dry, and then use it to wipe the screen.
- 2. Make sure the excess water is off the screen, and then let it air-dry before you turn on your Entertainment Machine.

#### Cabinet Cleaning

- 1. Use a soft cloth with a mild soap solution to wipe the cabinet (avoid using any cleaner that says "industrial strength" or "will wash the white off of rice" on the label).
- 2. Rinse the cloth and wipe the cabinet again.
- 3. Let the cabinet air-dry before turning the Entertainment Machine on.

#### **Wood Cabinets**

Use a quality wood cleaner and polish. This will protect the Entertainment Machine from dirt and dust, as well as keep the cabinet looking new.

#### **Extended Absence**

If you leave your Entertainment Machine dormant for a long time (such as a vacation), it's a good idea to unplug the power to protect against possible damage from lightning or power surges. If you use an off-air antenna, you may also want to disconnect it from the back of your TV before leaving.



If you unplug your Entertainment Machine, you may have to reset the clock using the Clock Set menu described earlier.

Some quick and easy tips to fixing problems yourself

#### **Troubleshooting SYMPTOMS** SOLUTIONS Snowy picture and lousy sound. • Check your antenna connection or location. Multiple images or 'ghost shadows.' • Check your antenna direction and/or location. · Make sure the wire from your antenna to your Entertainment Machine is properly connected. The following may cause image problems or distortion: Interference: Sharp lines across Electrical appliances, powerful lights, cars, trucks; Computers or the screen and lousy sound. portable phones; Medical equipment • If possible increase the distance between your Entertainment Machine and the offending appliance. Or shut one of them off. Normal picture but no sound. • Check volume control. • Make sure the TV is not Muted. • Try another channel. The problem may be the broadcast, not your Entertainment Machine. Are the Audio A/V cables properly installed? Are the wires for external speakers (if you have external speakers) Properly installed? No picture and lousy sound. • Are you in TV or cable tuning mode (See Auto Program on page 8), and should be in the other? • Make sure output channels on all A/V equipment are on the same channel (3 or 4). · Check that all connections are tight. No picture and no sound --• Is the AC power plugged in? The thing is just DEAD! • Check that your AC power outlet works. (Test it by plugging in something else or try another pluq.) Make sure your brightness and audio controls are set properly. • Try another channel. The problem may be with the broadcast. No color, but the sound is O.K. • Check the color control in the Video menu. • Try another channel. The problem may be with the broadcast. Picture has a big black box The CC (closed caption) option may be in Text mode. Select OFF in the Captions/ on it, but the sound is O.K. Text menu (see page 16). Picture has two horizontal • Your program is in letterbox. This means that the shape of your TV is a black bars, one on top and square, but the program is a rectangle. Think of the bars as empty space the one on bottom. program doesn't fill; not picture that's blocked out. Because this format is a direct representation of film as you see it in the movies, you are actually seeing MORE of the program when you see those bars. Trust us. Remote control doesn't work. · Make sure the batteries are fresh and installed properly. • Try unplugging the TV, waiting about five minutes, and then plugging it back in Menu options won't change.



If all else fails, call 1.847.391.8752, extension 5, between 8:30 am and 4:30 pm Central Standard Time.

and trying again.

# Glossary

75 OHM RF CABLE The wire that comes from an off-air antenna or cable service provider.

The end looks like a hex-shaped nut with a wire sticking through the middle. It screws onto the threaded jack on the back of your TV.

300 TO 75 OHM

ADAPTER

A small device that connects a two-wire 300 ohm antenna to a 75 ohm RF jack. They are usually about an inch long with two screws on

one end and a round opening with a wire sticking out on the other end.

A/V CABLES Audio/Video cables. Three cables bunched together—right audio (red),

left audio (white), and video (yellow). A/V cables are used for stereo playback of videocassettes and for higher quality picture and sound

from other A/V devices.

ADD This function lets you add new channels to list that you'll scroll through

when using your remote.

ANTENNA The physical receiver of television signals sent over the air. A large

metal piece of equipment does not always have to be visible for your

home to be using an antenna.

AUTO PROGRAM Auto Program has your Entertainment Machine automatically find all the

channels available in your area.

**BLOCK** Restrict or censor a channel for a set length of time.

**DELETE** This function lets you remove channels that you don't watch from the

list you'll scroll through using your remote.

**INPUT** Refers to the jack that receives a signal from a TV, VCR or other

A/V device.

JACK A connection on the back of a TV, VCR, or any other A/V device.

MONO SOUND Mono (monaural) sound is one channel of sound. On more than one

speaker, all the speakers play the same audio.

**OUTPUT** Refers to the jack that sends a signal out of a VCR, DVD, or other

A/V device.

SECOND AUDIO PROGRAMMING/SAP

Second Audio Programming (SAP) is another, separate, audio channel available with some programming. Choosing SAP often refers to listening

to audio in another language, such as Spanish or French.

**SIGNAL** Picture and sound traveling through cable, or on the air, to your

television screen.

STEREO SOUND Stereo (stereophonic) sound refers to audio that's divided into right and

left sides.

**TUNER** Device that picks up the signal and turns them into

picture and sound.

A complete list of definitions for words found in this guide. Find what you want quickly.

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# Recommended Audio/Video Accessories



#### STEREO SURROUND SOUND SPEAKERS

For use with any Surround Sound compatible TV. These speakers create a sound so real, it's as if you were part of the action. The convenient, space-saving shelf design make these speakers an ideal addition to any Home Theater System. The contemporary black finish complements any room.

CV5000 ONLY \$224.95 PLUS \$17.95 SHIPPING & HANDLING

#### REPLACEMENT REMOTE

Broken or lost remote? Perhaps you would just like the convenience of having a second remote on hand. Order your replacement remote control direct from Zenith! To ensure that you receive the correct remote, have your television's model number ready when you call.

ONLY \$39.95 PLUS \$4.95 SHIPPING & HANDLING



ORDER TODAY!
CALL TOLL-FREE
1.800.255.6790



Use Your Visa or MasterCard to Order

PLEASE ALLOW 3-4 WEEKS FOR DELIVERY

# Your Zenith Warranty

Direct-View Color TV ~

Welcome to the Zenith family! We believe that you will be pleased with your new Zenith Entertainment Machine. Flease read this warranty carefully, it is a "LIMITED WARRANTY" as defined under Federal Law. This warranty gives you specific .egal rights, and you may also have other rights that vary from state to state within the U.S.A.

#### ZENITH RESPONSIBILITY

Service Labor

During a period of 90 days from effective warranty date, Zenith will pay for service labor by a Zenith authorized service center when needed as a result of manufacturing defects.

Parts

New or remanufactured replacements for factory-defective parts will be supplied by a Zenith authorized service center for one year from effective warranty date (color picture tube — two years). Such replacement parts are warranted for the remaining portion of the original warranty period.

Home Service

Warranty service for 21" diagonal (U.S.A.) or larger screen size models is provided in the home in most cases. (Some

Not Covered

This warranty covers manufacturing defects and does not cover installation, adjustment of customer controls in the home, installation or repair of home antenna systems, cable converters or cable company-supplied equipment; it also does not cover damage due to misuse, abuse, negligence, acts of God or other causes beyond the control of Zenith. Any alteration of the product after manufacture voids this warranty in its entirety.

#### OWNER'S RESPONSIBILITY

**Effective Warranty Date** 

Warranty begins on the date of original consumer installation. For your convenience, keep the dealer's dated bill of sale or delivery ticket as evidence of the purchase date.

Operating Guide

Read your Operating Guide carefully so that you will understand the operation of your set and how to adjust the customer controls.

Carry-In Service

Models under 21" diagonal (U.S.A.) screen size must be taken to a Zenith authorized service center for warranty service and must be picked up by the owner.

Reception problems caused by inadequate home antenna or faulty antenna connections are the owner's responsibility.

Important

Antenna

Product Registration—Please fill out and mail your Product Registration Card. It is imperative that Zenith know how to reach you promptly if we should discover a safety problem that could affect you.

Warranty Service

For warranty service information, contact any Zenith authorized service center. Parts and service labor that are Zenith's responsibility (see above) will be provided without charge. Other service is at the owner's expense. If you have any problem in obtaining satisfactory warranty service, call or write the Zenith Response Center. You must provide the model number, serial number and date of purchase or date of original installation. Before you ask for warranty service, read "Maintenance And Troubleshooting" in your operating quide. You might avoid a service call.

#### ZENITH CONSUMER SERVICE

Factory Owned Service Center Home & Carry-in Service Television/VCR Parts and Accessories Service Hours: M-F 8-6, Sat 9-2 Will accept UPS shipments

801 E. Roosevelt Rd Lombard, IL 60148 (630) 705-2830

PTV/Computer

201 James Record Rd. Building 4 Huntsville, AL 35824 (205) 461-8583

#### ZENITH ELECTRONICS CORPORATION

Zenith Response Center 1000 Milwaukee Avenue Glenview, II. 60025-2493 Telephone (847)391-8752 Mon-Fri, 7:00 a.m.-8:00 p.m. CST

#### Additional Zenith Picture Tube Protection Plan Available

Zenith offers you the opportunity to obtain additional long-term protection against failure of the picture tube in your new television.

Our Picture Tube Protection Plan enables you to avoid any unexpected picture tube repair expenses and keep your television in top condition. It guarantees you a genuine Zenith replacement picture tube and service from a Zenith authorized service center.



Be sure to send in the Product Registration Card. We will send you and application for the Protection Plan near the expiration of the two-year manufacturer's warranty on the picture tube. For additional information call (847) 391-8757.